Section I. Correlation with the 2010	Rating			
Science Standards of Learning and Curriculum Framework	Adequate	Limited	No Evidence	
Chemistry Summary				
CH.1	Х			
CH.1a	Х			
CH.1b	Х			
CH.1c	Х			
CH.1d	Х			
CH.1e	Х			
CH.1f	Х			
CH.1g	Х			
CH.1h	Х			
CH.1i	Х			
CH.1j	Х			
CH.2	Х			
CH.2a	Х			

Section I. Correlation with the 2010	Rating			
Science Standards of Learning and Curriculum Framework	Adequate	Limited	No Evidence	
Chemistry Summary				
CH.2b	Х			
CH.2c	Х			
CH.2d	Х			
CH.2e	Х			
CH.2f	Х			
CH.2g	Х			
CH.2h	Х			
CH.2i	Х			
CH.3	Х			
СН.За	Х			
CH.3b	Х			
CH.3c	Х			
CH.3d	Х			

Text Title: A Natural Approach to Chemistry Publisher LAB Aids

Section I. Correlation with the 2010		Rating	
Science Standards of Learning and Curriculum Framework	Adequate	Limited	No Evidence
Chemistry Summary			
CH.3e	Х		
CH.3f		Х	
CH.4	Х		
CH.4a	Х		
CH.4b	Х		
CH.4c	Х		
CH.4d	Х		
CH.5	Х		
СН.5а	Х		
CH.5b	Х		
CH.5c	Х		
CH.5d	Х		
CH.5e	Х		

Section I. Correlation with the 2010		Rating		
Science Standards of Learning and Curriculum Framework Chemistry Summary	Adequate	Limited	No Evidence	
CH.5 f	Х			
CH.5 g	Х			
CH.6	Х			
CH.6a	Х			
CH.6b	Х			

Print X

Digital_____ Combination__

Section II. Additional Criteria: Instructional Planning and Support	Evidence) Must provide comments to support the ratings other than Adequate.			
	Adequate X	Limited	No Evidence	
The textbook is presented in an organized, logical	Textbook is logically organized and grade/age appropriate for students.	Textbook lacks consistency in organization and appropriateness for the grade/age of students.	Textbook is not reasonably organized and is inappropriate for the grade/age of the students.	
manner and is appropriate for the age, grade, and maturity of the students.	Comments:			
	Adequate X	Limited	No Evidence	
2. The textbook is organized appropriately within	Scope and sequence is easy to read and understand.	Scope and sequence is confusing and not easy to understand.	Scope and sequence is difficult to read and understand.	
and among units of study.	Comments:			
	Adequate X	Limited	No Evidence	
	Organizational properties of the textbook assist in understanding and processing content.	Organizational properties of the textbook offer limited assistance in understanding and processing content.	Organizational properties of the textbook do not assist in understanding and processing content.	
3. The format design includes titles, subheadings, and appropriate cross-referencing for ease of use.	Comments:			

Section II. Additional Criteria: Instructional Planning and Support	Degree of Correlation: Place an X to the right of your choice (Adequate, Limited, No Evidence) Must provide comments to support the ratings other than Adequate.			
	Adequate X	Limited	No Evidence	
4. The writing style, syntax, and vocabulary are appropriate.	Readability is appropriate for the grade level. Writing style and syntax are varied and appropriate to enhance student understanding. Vocabulary consists of both familiar and challenging words.	Readability may be appropriate but is inconsistent throughout the text. Writing style and syntax may be inappropriate or lack variety, offering limited support for student understanding. Vocabulary may be too challenging or too familiar.	Readability is not appropriate for the grade level. Writing style and syntax are often inappropriate and lac2 variety to enhance student understanding. Vocabulary is too challenging or unfamiliar.	
	Comments:			
	Adequate X	Limited	No Evidence	
5. Graphics and illustrations are appropriate.	Visuals are accurate, support the text, and enhance student understanding.	Visuals are somewhat unclear and offer limited support for the text and student understanding.	Visuals are inaccurate, do not support the text, and do not enhance student understanding.	
	Comments:			
	Adequate X	Limited	No Evidence	
6. Sufficient, high-quality instructional strategies are provided to promote depth of understanding.	Materials (investigations, laboratories, and inquiry activities) provide students with opportunities to integrate s2ills and concepts.	Materials (investigations, laboratories, and inquiry activities) provide students with limited opportunities to integrate s2ills and concepts.	Materials (investigations, laboratories, and inquiry activities) provide students with no opportunities to integrate s2ills and concepts.	
	Comments:			

		the appropriate ce	II.	y placing an X in
		Adequate	Limited	No Evidence
ar	ne student will investigate and understand that experiments in which variables re measured, analyzed, and evaluated produce observations and verifiable data. ey concepts include	Х		
a)	designated laboratory techniques;	X		
b)	safe use of chemicals and equipment;	X		
c)	proper response to emergency situations;	X		
d)	manipulation of multiple variables, using repeated trials;	Х		
e)	accurate recording, organization, and analysis of data through repeated trials;	Х		
f)	mathematical and procedural error analysis;	X		
g)	mathematical manipulations including SI units, scientific notation, linear equations, graphing, ratio and proportion, significant digits, and dimensional analysis;	Х		

	Science Standard of Learning	Rating Scale Please indicate the rating for each by placing the appropriate cell.		by placing an X in
		Adequate	Limited	No Evidence
CH.1	The student will investigate and understand that experiments in which variables are measures, analyzed, and evaluated produce observations and verifiable data. Key concepts include	Х		
	h) use of appropriate technology including computers, graphing calculators, and probeware, for gathering data, communicating results, and using simulations to model concepts;	Х		
	construction and defense of a scientific viewpoint; and	Х		
	j) the use of current applications to reinforce chemistry concepts.	Х		
Comm	ents: Provide comments to support "limited" or "no evidence" ratings.			

	Science Standard	of Learning	Rating Scale Please indicate the the appropriate cel	~	r each by placing an X ir	
			Adequate	Limited	No Evidence	
H.2	The student will investigate and unders the periodic table is a function of their a tool used for the investigations of	tand that the placement of elements on atomic structure. The periodic table is a	X			
	a) average atomic mass, mass number	, and atomic number;	X			
	b) isotopes, half lives, and radioactive	decay;	Х			
	c) mass and charge characteristics of s	subatomic particles;	Х			
	d) families or groups;		Х			
	e) periods;		Х			
	 f) trends including atomic radii, electrionization energy; 	onegativity, shielding effect, and	X			
	g) electron configurations, valence ele	ctrons, and oxidation numbers;	Х			
	h) chemical and physical properties; a	nd	X			
	i) historical and quantum models.		X			

		Rating Scale Please indicate the the appropriate ce		by placing an X in
		Adequate	Limited	No Evidence
CH.3	The student will investigate and understand how conservation of energy and matter is expressed in chemical formulas and balanced equations. Key concepts include	X		
	a) nomenclature;	X		
	b) balancing chemical equations;	X		
	c) writing chemical formulas;	Х		
	d) bonding types;	Х		
	e) reaction types; and	Х		
	f) reaction rates, kinetics, and equilibrium.		Х	
Comm	ents: Provide comments to support "limited" or "no evidence" ratings.			

	Science Standard of Learning	Rating Scale Please indicate the rating for each by placing ar the appropriate cell.		
		Adequate	Limited	No Evidence
CH.4	The student will investigate and understand that chemical quantities are based on molar relationships. Key concepts include	Х		
	a) Avogadro's principle and molar volume;	X		
	b) stoichiometric relationships;	X		
	c) solution concentrations; and	Х		
	d) acid/base theory; strong electrolytes, weak electrolytes, and nonelectrolytes.	Х		

	Science Standard of Learning	Rating Scale Please indicate the the appropriate ce		y placing an X in
		Adequate	Limited	No Evidence
CH.5	The student will investigate and understand that the phases of matter are explained by kinetic theory and forces of attraction between particles. Key concepts include	X		
	a) pressure, temperature, and volume;	Х		
	b) partial pressure and gas laws;	Х		
	c) vapor pressure;	X		
	d) phase changes;	X		
	e) molar heats of fusion and vaporization;	Х		
	f) specific heat capacity; and	X		
	g) colligative properties.	Х		
Comm	nents: Provide comments to support "limited" or "no evidence" ratings.			

	Science Standard of Learning	Rating Scale Please indicate the rating for each by placing an X in the appropriate cell.		
		Adequate	Limited	No Evidence
CH.6	The student will investigate and understand how basic chemical properties relate to organic chemistry and biochemistry. Key concepts include	Х		
	a) unique properties of carbon that allow multi-carbon compounds; and	X		
	b) uses in pharmaceuticals and genetics, petrochemicals, plastics, and food.	Х		
Comm	ents: Provide comments to support "limited" or "no evidence" ratings.			